



# *Demystifying the Apple iPad as Assistive Technology for Special Education*

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# iPad in Special Education Commercial by Luis Perez



<http://mobilelearning4specialneeds.wikispaces.com/home>

# Why iPads in Special Education?

- Ease of use
- Mobility
- Flexibility in Representation, Expression and Engagement
- Engagement and Motivation of 21<sup>st</sup> Century Learners
- Tools for whole class instruction and interaction
- “Cool factor” = No more AT stigma
- Built-in Universal Accessibility options
- Numerous Accessories
  - Stylus, Keyguards, Mounts, Cases
- 1.5 Billion iBooks: Textbooks are changing!
- 275,000 apps / 20,000 Education apps:
  - Interactive Content for ALL subject areas, Productivity, Creativity, Collaboration
- Potential to *Transform* Learning Experiences



# Basic iPad and iPad Accessibility Features:

## Popular iOS Features:

- Close Apps
- Swipe Between Apps
- Lock orientation
- Restrictions – to restrict access/use
- Keyboard Split
- Reader
- Group Apps in Folders
- Print via Airplay enabled printer

## Settings -> Accessibility:

- VoiceOver
- Speak Text
- Highlight Spoken Text
- Guided Access
- Dictation (iPad 3 and above)
- AssistiveTouch
- And many others

## Resources:

- iPad Tips [and](#) Tricks Handout
- <http://www.youtube.com/user/lfperez72> - Great Videos!

# There is an App for that!

- Communication/AAC Apps
- Note-Taking Apps
- Handwriting Apps
- Math Apps
- Reading Apps
- Text-to-Speech Apps
- Presentation Apps
- Creativity Apps
- Science Apps
- History Apps
- Organization Apps
- SO MANY MORE TYPES OF APPS!!!!



# There is an App for that! – Education Resources

## *Top Sites*

### Education:

- [www.appolicious.com](http://www.appolicious.com)
- [60 apps in 60 minutes](#)
- <http://ipads4kids.com/>
- <http://www.ipadsforeducation.vic.edu.au/education-apps>
- [www.appsineducation.blogspot.com](http://www.appsineducation.blogspot.com)
- <http://www.appitic.com/>
- <http://www.diigo.com/bookmark/http%3A%2F%2Fedtechteacher.org%2Findex.php%2Fteaching-technology%2Fmobile-technology-apps%2Fipad-as?tab=people&uname=mobilelearning>

# There is an App for that! – Special Education Resources

## *Top Sites*

### Special Education:

- <http://www.spectronicsinoz.com/apps-for-special-education>
- <http://apps4stages.wikispaces.com/> (Framework)
- <http://spedapps2.wikispaces.com/home>
- [http://www.ipodsibilities.com/iPodsibilities/SpEd\\_Apps.html](http://www.ipodsibilities.com/iPodsibilities/SpEd_Apps.html)
- <http://edudemic.com/2012/02/special-ed-apps/>
- [www.a4cwsn.com](http://www.a4cwsn.com)
- <http://www.schrockguide.net/app-for-that.html>
- [www.otswithapps.com](http://www.otswithapps.com)
- <http://www.scribd.com/doc/24470331/iPhone-iPad-and-iPod-touch-Apps-for-Special-Education>



# BUT – It is not about the “tool” ...

What is the Curriculum Connection? Student Need? GOAL?

- Joy Zabala's SETT Framework: <http://www.joyzabala.com/>
  - Student
  - Environment
  - Task
  - Tool (comes LAST)
- App Rubrics
  - [Kathy Schrock & Harry Walker](#)
  - [Jeanette VanHouten's Special Education App Rubric](#)
  - [Vincent Education App Checklist](#)
  - [Globally Connected Learning's iPad app Evaluation for the Classroom](#)



# Deploying Apps & iDevices: Resources

## Apple Resources:

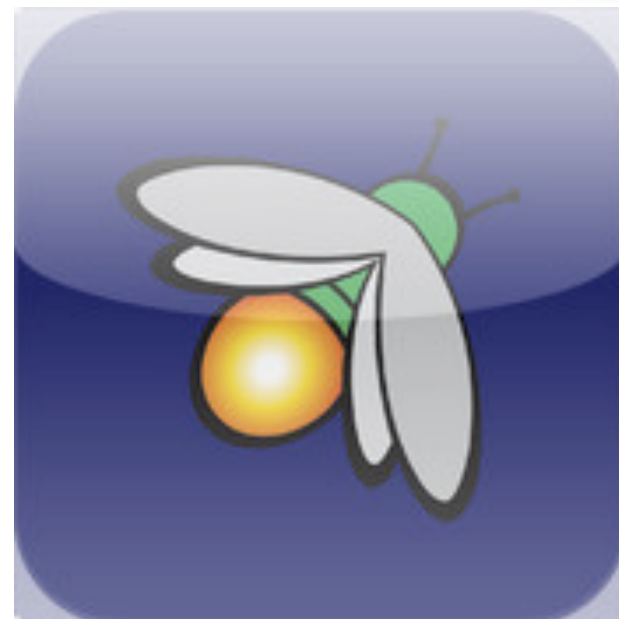
- <http://www.apple.com/education/special-education/>
- <http://www.apple.com/education/apps/>
- <http://www.apple.com/education/volume-purchase-program/>

## Basic Licensing Info:

- For Personal use:
  - Purchase ONCE and can install on all of your devices
- For Educational use:
  - You need to buy one license of an App for each iOS device if that device is used by multiple users or one license of an App per user if that user is using multiple iOS devices.
  - Volume Purchasing Program is available – 50% discount
- For all: You can have up to 5 iTunes Accounts on a device

# Firefly App by Kurzweil

- Firefly App is a READER only
  - But keep an eye out for MORE to develop!
- Tied to Kurzweil 3000 V13 Weblicense
- FREE
- Can access .kes and .txt files saved to the Kurzweil 3000 Universal Library via Kurzweil 3000 or the Firefly Web Application
  - (Cloud-based storage)
- Currently, you can not bring in files or create new files via the Firefly App
- Login to Firefly App = Login to Kurzweil 3000 V13 weblicense



# Cool idea for using iPads to differentiate Instruction: QR Codes



- A QR (Quick Response) code is graphic image which can be read quickly by a mobile phone through its camera. The QR Reader app then takes the user directly to a website, video, text message, phone number or other information
- Resources & Videos:
  - <http://www.schrockguide.net/qr-codes-in-the-classroom.html>
  - Black and White and Scanned All Over  
<http://www.youtube.com/watch?v=ayW032sKtj8&feature=youtu.be>
  - <http://www.lexrich5.org/webpages/kogen/files/qr%20codes%20in%20the%20classroom.swf>



# Switch Accessible Apps

For an App to be Switch Accessible:

1. App Developer Built-In Switch Access

OR

2. App Developer Built-in **VoiceOver** Support (current trend)



Resources:

[Jane Farrall & Alex Dunn Switch Accessible App List](#)

[www.ablenetinc.com](http://www.ablenetinc.com) Switches

For Voiceover Accessible apps: [www.applevis.com](http://www.applevis.com)

Over 50 Switch Accessible apps now!



# Switch Access to iPads

For a switch to be used with an iPad, you need:

- Switch
- Switch Interface
  - Trend is to use Bluetooth
- Switch Accessible Software (Built-in or using Voiceover)



[Chart of Switch Interfaces for iPad](#)

# Using iPad as alternative computer access tool

- Panther Technologies

- Panther Connect \$59.00 from iTunes Store



- Attainment

- Attainment Switch App \$4.99 from iTunes Store



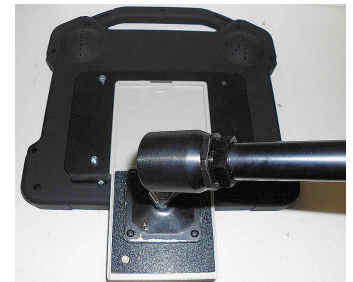
# Accessories

- Styluses
- Mounts
- Keyguards
- Cases
- Bluetooth Keyboards



## Resources:

- <http://pinterest.com/lfperez411/special-needs-accessories/>
- <http://m.pinterest.com/lasenders>
- <http://astore.amazon.com/otswiap-20>
- [www.rjcooper.com](http://www.rjcooper.com)
- [www.ablenetinc.com](http://www.ablenetinc.com)
- [www.laseredpics.biz](http://www.laseredpics.biz)
- <http://beyondadaptive.com/keyguards/>



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# Using iPad for Whole Class Instruction?

- Want to project your iPad apps in class?
  - **\$30 Apple 30-pin to VGA Adapter**





# View Apps on your computer?

- Reflection/reflector App
  - \$15 [www.reflectionapp.com](http://www.reflectionapp.com)
- Airserver
  - \$15 [www.airserver.com](http://www.airserver.com)
- Great for Presenting Webinars! ;-)



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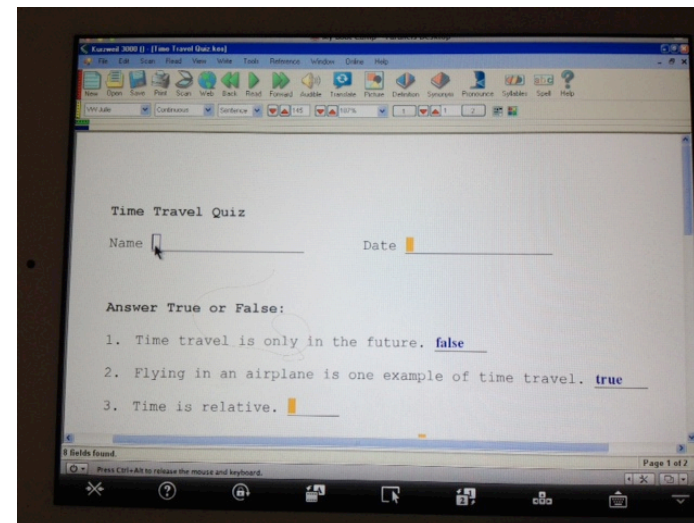
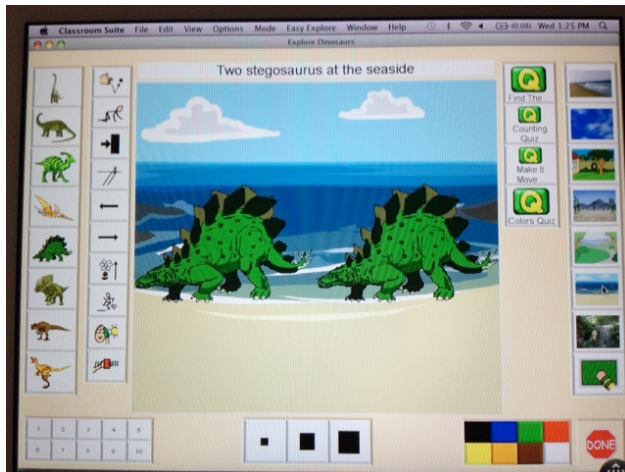


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# View and run computer Programs from iPad?

- Splashtop Remote Desktop App

- <http://www.splashtop.com/splashtop2>
- \$6.99 from App Store
- Control your computer and computer programs remotely from your iPad!
- Student could access Kurzweil 3000, Classroom Suite or other Program installed on desktop computer and run it remotely via iPad at desk



**Link to Handouts for this Webinar:**

<http://edmodo.com/folder/759841>



# Resources for ongoing Learning:

## People and Companies to follow for iPads in

Special Education/Assistive Technology:

- [www.ablenetinc.com](http://www.ablenetinc.com)
- [www.assistiveware.com](http://www.assistiveware.com)
- [www.inclusivetlc.com](http://www.inclusivetlc.com)
- [www.pretorianuk.com](http://www.pretorianuk.com)
- [www.rjcooper.com](http://www.rjcooper.com)
- [www.prentrom.com](http://www.prentrom.com)
- [www.cricksoft.com](http://www.cricksoft.com)
- Mark Coppin <http://assistivetech.ning.com/profile/MarkCoppin>
- Alex Dunn <http://smartinclusion.wikispaces.com/Smart+Inclusion+Home>
- Jane Farrall [www.janefarrall.com](http://www.janefarrall.com)
- Luis Perez <http://mobilelearning4specialneeds.wikispaces.com/home>
- <http://www.youtube.com/user/lfperez72>
- Madalaine Pugliese [www.apps4stages.wikispaces.com](http://www.apps4stages.wikispaces.com)
- Eric Sillers: <http://ericsillers.com/>
- Kathy Schrock [www.schrockguide.net](http://www.schrockguide.net)
- <http://www.schrockguide.net/ipads-in-the-classroom.html>
- <http://www.schrockguide.net/app-for-that.html>
- Clint Stephens <http://prezi.com/swceiv2g3bbt/60-educational-apps-in-60-minutes/>
- Jeanette VanHouten <http://jvanhouten.blogspot.com/>
- Megan Wilson [www.ipodsibilities.com](http://www.ipodsibilities.com)
- And MORE!

*Thank you!*

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